

JULY 07, 1998 SS JUL 15 AN 8: 11 PTAS TOWNSEND AND TOWNSEND AND CREW LLP MELVIN D. CHAN TWO EMBARCADERO CENTER, 8TH FLOOR SAN FRANCISCO, CA 94111-3834

UNITED STATES DEPARTMENT OF COMMERCE **Patent and Trademark Office**

ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231



UNITED STATES PATENT AND TRADEMARK OFFICE

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/20/1998

REEL/FRAME: 9150/0808

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

MADURAWE, RAMINDA U.

DOC DATE: 03/02/1998

ASSIGNOR:

LIU, DAVID K.Y.

DOC DATE: 03/21/1998

ASSIGNEE:

ALTERA CORPORATION 101 INNOVATION DRIVE SAN JOSE, CALIFORNIA 95134

SERIAL NUMBER: 08920377

PATENT NUMBER:

FILING DATE: 08/29/1997

ISSUE DATE:

PEARLENE FOSTER, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

_ 0	15-12-1998Attomey Docket No. 15114-047920//
FORM PTO-1595 (Rev. 6-93)	U.S. DEPARTMENT OF COMMERC Patent and Trademark Office
To the Honorable Asst. Commissioner for Patents. i	100706455 opy thereof. ADD 0 0 1898
Name of conveying party(ies):	2 Name and address of receiving partitions.
Raminda U. Madurawe and David K.Y. Liu	Name: Altera Corporation
Additional name(s) of conveying party(ies) attached? Yes	Internal Address:
	Street Address: 101 Innovation Drive
3. Nature of conveyance:	City 62-1-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2
X Assignment Merger	City: San Jose State: California ZIP: 95134
Security Agreement Change of Name Other:	
Execution Date: March 2, 1998, March 21, 1998	Additional name(s) & address(es) attached?
Application number(s) or patent number(s). If this document is being filed together with a new application, the second sec	he execution date of the application is: March 2, 1998, March 21, 1998
A. Patent Application No.(s)	B. Patent No.(s)
Additional numbers attached?	Yes x No
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Melvin D. Chan TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, 8th Floor San Francisco, California 94111-3834 (650) 326-2400	7. Total fee (37 CFR 3.41):\$ 40.00 Enclosed X Charge Fees to Deposit Account Charge any additional fees associated with this paper or during the pendency of this application, or credit any overpayment, to deposit account
	8. Deposit account number: 20-1430
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9. Statement and signature.	
To the best of my knowledge and belief, the foregoing informat of the original document.	tion is true and correct and any attached copy is a true copy
Gregory S. Bishop Name of Person Signing Signature	April 14, 1998 CDate
Atty. Reg. No. <u>P41.621</u> Total number of pages in	ncluding cover sheet, attachments, and coument: 3
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OMB No. 0651-0011 (exp. 4/94)	201
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WHEREAS, RAMINDA U. MADURAWE of 882 Louise Drive, Sunnyvale, California, 94087, and DAVID K. Y. LIU of 470 Tumbleweed Court, Fremont, California, 94539, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: HIGH VOLTAGE MOS DEVICES WITH HIGH GATED-DIODE BREAKDOWN VOLTAGE AND PUNCH-THROUGH VOLTAGE

Date(s) of execution: March 2, 1998, March 21, 1998

Filing date: August 29, 1997 Serial No. 08/920,377; and

WHEREAS, ALTERA CORPORATION, a Delaware corporation having a principal place of business at 101 Innovation Drive, San Jose, California, 95134, hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any Letters Patent and Registrations which may be granted on the same;

FOR GOOD AND VALUABLE CONSIDERATION, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application, all foreign counterparts (including patent, utility model and industrial designs), and all future improvements thereon, and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that Assignors will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Ramidal Madurawe	Date: 03-02-98
DAVID K. Y. LIU	Date:

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RAMINDA U. MADURAWE	Date:
Male	
DAVID K. Y. LIU	Date: 3/4/9

Attorney Docket No. 15114-047920/A293 **ORM PTO-1595** U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office (Rev. 6-93) RECORDATION FORM COVER SHEET PATENTS ONLY To the Honorable Asst. Commissioner for Patents. Please record th attached original documents or copy thereof. 1. Nam of conveying party(ies): 2. Name and address of receiving party(ies): Raminda U. Madurawe and David K.Y. Liu Name: Altera Corp ration Internal Address: Additional name(s) of conveying party(ies) attached? No Х Street Address: 101 Innovation Drive 3. Nature of conveyance: Assignment City: San Jose State: California ZIP: 95134 х Merger Security Agreement Change of Name Other: Execution Date: March 2, 1998, March 21, 1998 Additional name(s) & address(es) attached? Yes No X 4. Application number(s) or patent number(s). If this document is being filed together with a new application, the execution date of the application is: March 2, 1998, March 21, 1998 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? Name and address of party to whom correspondence concerning document should be mailed: 6. Total number of applications and patents involved: Melvin D. Chan TOWNSEND and TOWNSEND and CREW LLP Two Embarcadero Center, 8th Floor San Francisco, California 94111-3834 (650) 326-2400 Name: 7. Total fee (37 CFR 3.41):..... \$ 40.00 Enclosed Charge Fees to Deposit Account Charge any additional fees associated with this paper or X during the pendency of this application, or credit any overpayment, to deposit account 8. Deposit account number: 20-1430 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Gregory S. Bishop

Nam of Person Signing Atty. Reg. No. P41,621

Signature

April 14, 1998

Date

Total number of pages including cover sheet, attachments, and document: 3

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RAMINDA U. MADURAWE	Date:
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DAVID K. Y. LIU	Date: 3/4/9